Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of the Claims:

1. (Currently Amended) A wireless gateway, comprising:

a local network interface using a local network interface protocol;

a wireless interface providing access to multiple public network interface protocols;

a controller connected to said local network interface and to said wireless interface, said controller operating to detect a public network interface protocol currently in use from said multiple public network interface protocols accessible to said wireless interface; and

one or more service interfaces connected to said local network interface and to said wireless interface;

wherein each service interface provides automatic data conversion between two services the local network interface protocol and the detected public network interface protocol.

2. (Original) The wireless gateway of claim 1, wherein:

said controller selects one service interface for communication between a first service corresponding to data received through said local network interface and a second service corresponding to data received through said wireless interface, and

said selected service interface provides data conversion between said first service and said second service.

3. (Original) The wireless gateway of claim 2, wherein:

said selected service interface provides transcoding of data between said first service and said second service.

4. (Original) The wireless gateway of claim 2, wherein:

said selected service interface provides protocol conversion between said first service and said second service.

5. (Original) The wireless gateway of claim 1, wherein:

said controller provides routing of data between said local network interface and said wireless interface.

6. (Original) The wireless gateway of claim 1, wherein:

said local network interface supports an Ethernet connection.

7. (Original) The wireless gateway of claim 1, wherein:

said wireless interface supports a CDMA connection.

8. (Original) The wireless gateway of claim 1, wherein:

said wireless interface supports a Wi-Fi connection.

9. (Original) The wireless gateway of claim 1, wherein:

said wireless interface supports a Bluetooth connection.

10. (Currently Amended) A method of network communication using a gateway, comprising:

receiving a session request to open a network session from a client through a first interface of a gateway using a local network interface protocol,

wherein said session request indicates a communication service;

selecting a network service that matches said communication service; and

sending a service request to a network server through a second interface which provides access to a public network interface protocol selected from multiple public network interface protocols,

wherein said network server supports said selected network service;

wherein said selected network service has a corresponding service interface that provides automatic data conversion between said selected network service using said public network interface protocol and said communication service using said local network interface protocol.

11. (Original) The method of claim 10, further comprising:

establishing a connection for communication between said first interface and said second interface; and

sending data across said established connection.

12. (Original) The method of claim 11, further comprising:

transcoding data to be sent through said connection using said service interface.

13. (Original) The method of claim 11, further comprising:

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performing protocol conversion for data to be sent through said connection using said service interface.

14. (Original) The method of claim 10, wherein:

said communication service and said network service are not directly compatible.

15. (Original) The method of claim 10, wherein:

said first interface is a LAN interface supporting a LAN connection.

16. (Original) The method of claim 15, wherein:

said LAN interface supports an Ethernet connection.

17. (Original) The method of claim 10, wherein:

said second interface is a wireless interface supporting a wireless connection.

18. (Currently Amended) The method of claim 18 17, wherein:

said wireless interface supports a CDMA connection.

19. (Currently Amended) The method of claim 18 17, wherein:

said wireless interface supports a Wi-Fi connection.

20. (Currently Amended) The method of claim 18 17, wherein:

said wireless interface supports a Bluetooth connection.

21. (Currently Amended) A system for network communication using a gateway, comprising:

means for receiving a session request to open a network session from a client through a first interface of a gateway using a local network interface protocol,

wherein said session request indicates a communication service;

means for selecting a network service that matches said communication service; and

means for sending a service request to a network server through a second interface which provides access to a public network interface protocol selected from multiple public network interface protocols,

wherein said network server supports said selected network service;

a service interface corresponding to said selected network service that provides automatic data conversion between said selected network service using said public network interface protocol and said communication service using said local network interface protocol.

22. (Original) The system of claim 21, further comprising:

means for establishing a connection for communication between said first interface and said second interface; and

means for sending data across said established connection.

23. (Original) The system of claim 22, further comprising:

means for transcoding data to be sent through said connection using said service interface.

24. (Original) The system of claim 22, further comprising:

means for performing protocol conversion for data to be sent through said connection using said service interface.

25. (Currently Amended) A computer program, stored on a tangible storage medium, for use in network communication using a gateway, the program comprising executable instructions that cause a computer to:

process a session request to open a network session from a client through a first interface of a gateway using a local network interface protocol,

wherein said session request indicates a communication service;

select a network service that matches said communication service; and

send a service request to a network server through a second interface which provides access to a public network interface protocol selected from multiple public network interface protocols,

wherein said network server supports said selected network service;

wherein said selected network service has a corresponding service interface that provides automatic data conversion between said selected network service using said public network interface protocol and said communication service using said local network interface protocol.